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THE CLAIMS DEFINING THE INVENTION ARE AS FOLLOWS:

1. A scarifier for cutting turf comprising a frame supported on wheels, a plurality of circular cutting blades co-axially mounted on a rotor shaft supported by the frame, driving means to drive the rotor shaft and rotate the blades, and adjustment means for adjusting the relative position of the wheels and the rotor shaft, thereby adjusting the height of the rotor shaft off the ground.

2. The scarifier claimed in claim 1 wherein the rotor shaft is mounted to the frame and the adjustment means adjusts the position of each wheel relative to the frame.

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3. The scarifier claimed in claim 2 wherein the scarifier is a tractor-mounted scarifier.

4. The scarifier claimed in claim 1 wherein the rotor shaft is mounted on an elongate rotor housing and the adjustment means adjusts the height of the rotor housing off the ground relative to the frame.

5. The scarifier claimed in claim 4 wherein the scarifier is a pedestrian driven scarifier.

6. A scarifier for cutting turf comprising a frame supported on wheels, a plurality of circular cutting blades coaxially mounted on a rotor shaft supported by the frame, driving means to drive the rotor shaft and rotate the blades, and adjustment means for adjusting the position of each wheel relative to the frame, thereby adjusting the height of the rotor shaft off the ground.

35 7. The scarifier claimed in claim 6 wherein the wheels are co-dependently attached to the frame by a linkage operable from one or two control points.

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8. The scarifier claimed in claim 7 wherein the control points are a screw handle threaded in a bore and rotatable in the bore against a reaction surface, the bore being fixed to the linkage.

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9. The scarifier claimed in claim 8 wherein the linkage comprises:

10 a pivot bar extending across the frame and journalled thereto at its ends, the bore being fixed to the pivot bar;

a first curved arm attached at one end to the pivot bar and at the other end to a first wheel; and

15 a linking member connected at one end to pivot with the pivot bar and at the other end to pivot with a second curved arm which supports a second wheel, the vertical positioning of the first and second wheels being adjusted by operating the screw handle.

10. The scarifier claimed in claim 9 wherein the first 20 and second wheels are aligned in tandem.

11. The scarifier claimed in claim 10 wherein one wheel is securely fixed to pivot with the pivot bar.

25 12. The scarifier claimed in any one of claims 6 to 11 wherein the drive means is supported by the frame.

13. The scarifier claimed in claim 12 wherein the drive means comprises a belt drive operated by pulley shafts 30 that are powered through a gear box by a drive shaft.

14. The scarifier claimed in any one of claims 6 to 13 wherein the scarifier is adapted to be connected to a tractor having a motor thereon to drive the drive shaft.

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15. A scarifier for cutting turf comprising a frame supported on wheels, a plurality of circular cutting blades co-axially mounted on a rotor shaft mounted to an elongate rotor housing, the rotor housing being attached to the frame, but independently movable relative thereto, driving means to drive the rotor shaft and rotate the blades, and adjustment means for adjusting the height of the rotor housing relative to the frame.
- 10 16. The scarifier claimed in claim 15 wherein the drive means includes two belt drives connected in series and having in common an intermediate pulley mounted on an intermediate shaft, wherein the rotor housing is attached to the frame to pivot at the intermediate shaft.
- 15 17. The scarifier claimed in claim 16 wherein the rotor housing is moved relative to the frame by an operating lever connected to the housing through a linkage.
- 20 18. The scarifier claimed in claim 15 wherein the rotor housing is supported at its ends by two rotor wheels.
- 25 19. The scarifier claimed in claim 18 wherein the rotor wheels are pivotally movable relative to the rotor housing to adjust the cutting depth of the blades.
- 30 20. The scarifier claimed in claim 19 wherein the relative movement of the rotor wheels to the rotor housing is carried out by an adjustment mechanism operated from a control point.
- 35 21. The scarifier claimed in claim 20 wherein the adjustment mechanism comprises a screw handle defining the control point and rotatably threaded in a bore for applying a force against a reaction surface thereby lifting the rotor housing relative to the rotor wheels.

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22. The scarifier claimed in claim 21 wherein an adjustment member of the adjustment mechanism applies a force against an arm of each rotor wheel when a force is applied against the reaction plate.

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23. The scarifier as claimed in claim 22 wherein the adjustment member applies a wedging force against the arm and the rotor housing when the screw handle applies a force against the reaction plate.

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24. The scarifier claimed in claim 20 wherein an adjustment mechanism is provided for each rotor wheel and operate from one control point, the adjustment mechanisms being operably linked by a shaft to rotate dependently and 15 simultaneously cause the rotor wheels to pivot.

25. The scarifier claimed in any one of claims 15 to 24 wherein the frame is mounted on four support wheels.

20 26. The scarifier claimed in any one of claim 15 to 25 wherein a motor drives the blades and the support wheels.

27. The scarifier claimed in claim 25 wherein a drive lever hydrostatically drives one or more support wheels at 25 variable speeds.

28. The scarifier claimed in any one of claims 15 to 27 wherein the scarifier is a pedestrian controlled scarifier.

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29. The scarifier claimed in claim 28 wherein a handle extends diagonally upward from which the scarifier is steered and operated and drive levers are supported by the handle.

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